

PROJECT TITLE : SALAMANDER II
PERIOD COVERED : JUNE 17 - JULY 29
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EXPERIMENTAL

ISH measurements using an electrostatic smoke trap operated at 20 KV gave, for ØS-8-10T cigarettes, an ISH value of $26,7 \pm 3,9$. This may be compared to an ISH value of $24,2 \pm 1,1$ using a Cambridge filter.

CONCLUSION

The difference is not significant. Further experiments should be carried out at higher operating voltage as the smoke precipitation at 20 KV was visibly incomplete.

FUTURE PLANS

A standard NO₂/air mixture and HPLC equipment are now available. The reaction products of NO₂ and cysteine, under test conditions, should be analysed and compared with those of the smoke vapour phase.

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